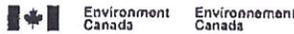


APPENDIX B

Canadian Climate Normals - Sandspit



Canada

Canadian Climate Normals 1971-2000

The minimum number of years used to calculate these Normals is indicated by a code for each element. A "+" beside an extreme date indicates that this date is the first occurrence of the extreme value. Values and dates in bold indicate all-time extremes for the location.

NOTE!! Data used in the calculation of these Normals may be subject to further quality assurance checks. This may result in minor changes to some values presented here.

SANDSPIT A *
BRITISH COLUMBIA

Latitude: 53°15'14.000" N Longitude: 131°48'47.000" W Elevation: 6.40 m

Climate ID: 1057050

WMO ID:

IC ID: YZP

* This station meets WMO standards for temperature and precipitation.

Temperature:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Code
Daily Average (°C)	3.2	3.7	4.7	6.4	9	11.8	14.3	15	13.1	9.3	5.6	3.8	8.3	A
Standard Deviation	1.9	1.8	1.1	0.9	1	1.1	0.9	0.9	0.9	0.9	1.7	1.5	0.8	A
Daily Maximum (°C)	5.6	6.3	7.6	9.4	12	14.6	17	17.9	16	12.1	8.3	6.3	11.1	A
Daily Minimum (°C)	0.7	1.1	1.8	3.3	6	8.9	11.5	12.1	10.2	6.4	2.9	1.3	5.5	A
Extreme Maximum (°C)	12.4	13.4	13.9	18.9	21.7	25.9	27.8	26.7	24.1	20.6	16.3	13.4		
Date (yyyy/dd)	1981/18	1977/19	1965/12	1958/29	1958/25	1987/29	1971/28	1952/05	1980/15	1986/04	1985/02	1980/15		
Extreme Minimum (°C)	-13.9	-12.3	-12.2	-5.1	-1.1	2.2	5	1.9	-0.6	-3.1	-15.5	-12.8		
Date (yyyy/dd)	1954/26	1989/01	1951/05	1996/02	1965/04	1950/04	1971/01	1992/11	1948/22	1984/30	1985/26	1970/04		
Precipitation:														
Rainfall (mm)	148.8	123.1	107.2	99.9	63.2	56.2	46.7	57.5	83.7	185.5	195.6	174	1341.2	A
Snowfall (cm)	22.3	16	6.5	2	0	0	0	0	0	0	3.6	11.3	61.7	A
Precipitation (mm)	168.7	139	113.3	102	63.2	56.2	46.6	57.5	83.7	185.5	198.2	184.5	1398.2	A
Average Snow Depth (cm)	2	1	0	0	0	0	0	0	0	0	0	1	0	A
Median Snow Depth (cm)	1	0	0	0	0	0	0	0	0	0	0	0	0	A
Snow Depth at Month-end (cm)	2	2	0	0	0	0	0	0	0	0	0	1	0	A
Extreme Daily Rainfall (mm)	66.4	45.8	41.5	79.5	48.3	39.1	22.1	46.5	48.5	58.6	66.2	66.8		
Date (yyyy/dd)	2001/09	1983/09	1983/08	1952/15	1950/16	1973/11	1957/30	1991/29	1961/04	1978/31	1984/01	1991/20		
Extreme Daily Snowfall (cm)	38	27.4	19.6	8.6	1.5	0	0	0	0	2	22.9	23.4		
Date (yyyy/dd)	1996/27	1972/25	1951/05	1971/19	1962/01	1949/01	1949/01	1948/01	1945/01	1984/30	1964/27	1955/19		
Extreme Daily Precipitation (mm)	71.4	45.8	47.5	79.5	48.3	39.1	22.1	46.5	48.5	58.6	67	66.8		
Date (yyyy/dd)	2001/09	1983/09	1946/27	1952/15	1950/16	1973/11	1957/30	1991/29	1961/04	1978/31	1984/01	1991/20		
Extreme Snow Depth (cm)	81	66	30	3	0	0	0	0	0	1	28	43		
Date (yyyy/dd)	1969/13	1969/06	1972/01	1968/11	1955/01	1955/01	1955/01	1955/01	1955/01	1984/29	1964/28	1971/23		
Days with Maximum Temperature:														
<= 0 °C	1.9	0.97	0.10	0	0	0	0	0	0	0	0.44	1.3	4.7	A
> 0 °C	29.1	27.3	30.9	30	31	30	31	31	30	31	29.6	29.7	360.6	A

<u>Temperature:</u>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Code
> 10 °C	1.6	1.5	3	9.7	25.6	29.8	31	31	30	26	7	2.5	198.6	A
> 20 °C	0	0	0	0	0.14	0.67	2.9	4.4	0.93	0.07	0	0	9.1	A
> 30 °C	0	0	0	0	0	0	0	0	0	0	0	0	0	A
> 35 °C	0	0	0	0	0	0	0	0	0	0	0	0	0	A
<u>Days with Minimum Temperature:</u>														
> 0 °C	18.4	18	23.4	27.3	30.9	30	31	31	30	30.8	25.2	21.5	317.4	A
<= 2 °C	19.9	16.7	16.8	9.6	1.2	0	0	0.03	0	1.5	11	18.8	95.5	A
<= 0 °C	12.6	10.3	7.6	2.7	0.07	0	0	0	0	0.21	4.8	9.6	47.9	A
< -2 °C	5.9	4.1	1.8	0.28	0	0	0	0	0	0	1.6	3.8	17.4	A
< -10 °C	0.10	0.14	0	0	0	0	0	0	0	0	0.07	0.10	0.41	A
< -20 °C	0	0	0	0	0	0	0	0	0	0	0	0	0	A
< -30 °C	0	0	0	0	0	0	0	0	0	0	0	0	0	A
<u>Days with Rainfall:</u>														
>= 0.2 mm	19.6	17.6	20.1	19.6	17.7	16	14.1	13.9	16.9	22.6	23	21.3	222.3	A
>= 5 mm	9.3	7.8	7.5	6.6	4.2	3.6	3.2	4	5.7	11.8	11.9	11.3	86.7	A
>= 10 mm	4.9	4.5	3.6	3.1	1.3	1.2	0.90	1.4	2.3	6.3	7	6.4	42.7	A
>= 25 mm	1.1	0.93	0.21	0.41	0.14	0.03	0	0.10	0.34	1.4	1.4	1.3	7.4	A
<u>Days With Snowfall:</u>														
>= 0.2 cm	5.5	4.4	2.9	1.3	0.07	0	0	0	0	0.07	1.7	2.9	18.8	A
>= 5 cm	1.5	1	0.28	0.10	0	0	0	0	0	0	0.22	0.75	3.9	A
>= 10 cm	0.55	0.31	0.07	0	0	0	0	0	0	0	0.04	0.21	1.2	A
>= 25 cm	0.03	0.03	0	0	0	0	0	0	0	0	0	0	0.06	A
<u>Days with Precipitation:</u>														
>= 0.2 mm	22.3	19.7	20.7	19.8	17.8	16	14.1	13.8	16.9	22.6	23.7	22.8	230.2	A
>= 5 mm	10.8	8.8	8	6.7	4.2	3.6	3.2	4	5.7	11.8	12.2	12.2	91.2	A
>= 10 mm	5.6	4.9	3.7	3.1	1.3	1.2	0.90	1.4	2.3	6.3	7	6.8	44.5	A
>= 25 mm	1.2	1	0.28	0.41	0.14	0.03	0	0.10	0.34	1.4	1.4	1.3	7.6	A
<u>Days with Snow Depth:</u>														
>= 1 cm	5.5	4.7	1.3	0.03	0	0	0	0	0	0	0.48	2.8	14.8	A
>= 5 cm	4	2.9	0.82	0	0	0	0	0	0	0	0.11	1.7	9.5	A
>= 10 cm	2.2	1.4	0.43	0	0	0	0	0	0	0	0	0.92	5	A
>= 20 cm	0.48	0.25	0.14	0	0	0	0	0	0	0	0	0.50	1.4	A
<u>Wind:</u>														
Speed (km/h)	21.6	21.1	20	20.5	19.3	17.7	16.4	16	17.2	19.9	21.4	21.4	19.4	A
Most Frequent Direction	SE	SE	SE	SE	SE	SE	W	W	SE	SE	SE	SE	SE	A
Maximum Hourly Speed (km/h)	129	105	100	113	97	77	74	74	93	137	121	121		
Date (yyyy/dd)	1955/03	1974/20	1981/24	1954/08	1954/30	1965/10	1993/21	1991/29	1962/27	1954/20	1954/12	1954/08		
Maximum Gust Speed (km/h)	161	164	121	140	122	97	93	100	113	148	161	152		
Date (yyyy/dd)	1955/03	1974/20	1970/12	1960/16	1987/29	1956/21	1982/05	1991/29	1958/24	1977/24	1959/01	1981/04		
Direction of Maximum Gust	SE	SE	SE	SE	E	SE	SE	E	SE	E	SW	SE	SE	
Days with Winds >= 52 km/h	7.3	5.9	5.1	4.4	2.8	1.4	0.8	0.9	2.1	5.2	7.4	7.1	50.5	C
Days with Winds >= 63 km/h	3.4	3	2.7	2	0.9	0.3	0.2	0.3	1	2.4	3.8	3.6	23.4	C
<u>Degree Days:</u>														
Above 24 °C	0	0	0	0	0	0	0	0	0	0	0	0	0	A
Above 18 °C	0	0	0	0	0	0.2	1.3	1.9	0.2	0	0	0	3.6	A
Above 15 °C	0	0	0	0	0.1	1.7	11.8	21.2	5.2	0.2	0	0	40.2	A
Above 10 °C	0	0	0	0.7	11.9	56.3	131.9	154.2	94.8	18.8	1.2	0	469.8	A
Above 5 °C	16.1	15.6	20.9	48.3	125.1	202.9	286.8	309.2	243	134.2	42.3	17.6	1462	A
Above 0 °C	110.3	111.7	146.8	190.7	280	352.9	441.8	464.2	393	288.5	171.2	125.3	3076.4	A
Below 0 °C	11.9	6	1	0	0	0	0	0	0	0	3	6.9	28.8	A
Below 5 °C	72.7	51.3	30	7.5	0.2	0	0	0	0	0.7	24.1	54.2	240.7	A
Below 10 °C	211.6	177.1	164.1	110	41.9	3.4	0.1	0	1.7	40.2	133	191.7	1074.9	A
Below 15 °C	366.6	318.5	319.1	259.3	185.2	98.9	35	22	62.1	176.6	281.8	346.7	2471.7	A
Below 18 °C	459.6	403.3	412.1	349.3	278	187.4	117.5	95.7	147.1	269.5	371.8	439.7	3530.9	A
<u>Bright Sunshine:</u>														
Total Hours	48.6	78.1	118.1	154.6	199.1	176.8	186.6	186.8	141.8	97.9	63	47	1498.1	C
Days with measureable	18.9	20.8	25.7	26.6	28.7	27.2	28	28.3	25.8	24.2	20.2	18.9	293.2	C

<u>Temperature:</u>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Code
% of possible daylight hours	19.3	28.2	32.2	36.9	40.5	34.9	36.7	40.8	37.1	29.7	24.1	19.9	31.7	C
Extreme Daily Date (yyyy/dd)	7.6	9.8	11.5	14.1	15.9	17	16.5	15.2	12.9	10.6	8.3	6.6		C
Humidex:														
Extreme Humidex Date (yyyy/dd)	1972/26	1991/28	1994/28	1979/27	1982/28	1976/06	1994/04	1977/03	1993/02	1994/14	1994/01	1972/05		
Humidex	13.8	13.4	12.8	17.8	23	28.4	30.8	30.2	27.6	24.5	17.9	15		
Days with Humidex >= 30	0	0	0	0	0	0	0	0	0	0	0	0	0.1	A
Days with Humidex >= 35	0	0	0	0	0	0	0	0	0	0	0	0	0	A
Days with Humidex >= 40	0	0	0	0	0	0	0	0	0	0	0	0	0	A
<u>Wind Chill:</u>														
Extreme Wind Chill Date (yyyy/dd)	-22.9	-24.1	-22.9	-10.8	-4.2	-0.2	3.8	4	0.7	-10.7	-26	-20.8		
Days with Wind Chill < -20	0.2	0.1	0	0	0	0	0	0	0	0	0.1	0	0.4	A
Days with Wind Chill < -30	0	0	0	0	0	0	0	0	0	0	0	0	0	A
Days with Wind Chill < -40	0	0	0	0	0	0	0	0	0	0	0	0	0	A
<u>Humidity:</u>														
Average Vapour Pressure (kPa)	0.7	0.7	0.7	0.8	0.9	1.1	1.3	1.4	1.2	1	0.8	0.7	1	A
Average Relative Humidity - 0600LST (%)	87.5	87	86.7	86.6	84.6	84.5	84.9	85.3	86.2	87.2	86.8	86.9	86.2	A
Average Relative Humidity - 1500LST (%)	83.4	80	77.1	76.7	75.3	76.7	76.3	76.2	76.3	78.5	80.9	83.7	78.4	A
<u>Pressure:</u>														
Average Station Pressure (kPa)	101	100.9	101	101.3	101.5	101.6	101.8	101.6	101.5	101.2	100.8	101	101.2	A
Average Sea Level Pressure (kPa)	101	100.9	101.1	101.3	101.5	101.6	101.8	101.7	101.6	101.2	100.9	101	101.3	A
<u>Radiation:</u>														
Extreme Global - RF1 (MJ/m2) Date (yyyy/dd)	6.5	12	18.9	26.7	30	31.6	31	27.5	20.7	13	7.2	4.1		
Visibility (hours with):														
< 1 km	10.8	9.5	3.8	4.6	2.2	2.7	2.5	3.7	6.2	4.7	2.7	5.5	58.9	C
1 to 9 km	81.7	74	57.5	46.1	32.8	30.2	29.2	28	33.5	65.4	65.9	77.6	621.9	C
> 9 km	651.4	595.6	682.7	669.4	709	687	712.4	712.3	680.3	673.9	651.4	660.9	8086.3	C
<u>Cloud Amount (hours with):</u>														
0 to 2 tenths	95.5	101.3	116.8	115.7	114.9	86.2	110.7	145	151.3	109.2	98.6	96.3	1341.5	D
3 to 7 tenths	137.1	133.3	169.8	165	172.1	150.9	150.4	154.6	167	172.2	166.6	154.6	1893.5	D
8 to 10 tenths	511.5	443.4	457.4	439.3	457	482.9	483	444.4	401.7	462.6	454.8	493.1	5531	D

We'd like to hear from you! Please click "[Contact Us](#)" to share your comments and suggestions.

Date Modified: 2011-09-14